**Compsn. comprising licorice-derived hydrophobic flavonoid - and medium-chain fatty acid triglyceride as solubiliser, useful in treating tumour, allergy, virus, etc.**
**Patent Assignee:** MARUZEN KASEI CO LTD JP 2794433 B219980903JP 198922565 A19890202199840E

**Patent Details**

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**Alerting Abstract:** JP B2

Compsn. comprises a licorice-derived hydrophobic flavonoid and a middle-chain fatty acid triglyceride. Any commercial middle-chain fatty acid triglyceride is usable, including caprylic acid triglyceride, or a mixt. of caprylic acid triglyceride and capric acid triglyceride (ca. 70/30 to ca. 80/20). In prepg. the compsn., (a) about 50 wt.% or less licorice-derived hydrophobic flavonoid is directly added to middle-chain fatty acid triglyceride and stirred to obtain a uniform blend, or (b) licorice-derived hydrophobic flavonoid is first dissolved in an organic solvent (e.g., alcohol) and the resulting soln. is added to middle-chain fatty acid triglyceride and blended, and the organic acid is removed from the blend.

USE/ADVANTAGE - The prepn. is useful as antioxidant, bactericide, enzyme-inhibitor, colorant, tumoricide, antiallergic agent and antiviral agent in the field of foods, cosmetics, medicines, agricultural materials. The middle-chain fatty acid triglyceride solubiliser makes the compsn. physically and chemically stable, and safe to use in foods.

**International Patent Classification**

| IPC | Level | Value | Position | Status | Version |
|---|---|---|---|---|---|
| A23L-0003/3472 | A | I | F | R | 20060101 |
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| A61K-0008/97 | A | I | L | R | 20060101 |
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| A61K-0036/00 | C | I | L | R | 20060101 |
| A61K-0036/185 | C | I | L | R | 20060101 |
| A61K-0008/30 | C | I | L | R | 20060101 |
| A61K-0008/96 | C | I | L | R | 20060101 |
| A61P-0031/00 | C | I | L | R | 20060101 |
| A61P-0035/00 | C | I | L | R | 20060101 |
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JP,20060101,20060310,A,L) A61K-8/49(R,I,M,JP,20060101,20060310,A,L) A61K-8/96(R,I,M,
JP,20060101,20060310,A,L) A61K-8/96(R,I,M,JP,20060101,20060310,C,L) A61K-8/97(R,I,M,
JP,20060101,20060310,A,L) A61P-31/00(R,I,M,JP,20060101,20060310,C,L) A61P-31/04(R,I,M,
JP,20060101,20060310,A,L) A61P-31/12(R,I,M,JP,20060101,20060310,A,L) A61P-35/00(R,I,M,
JP,20060101,20060310,A,L) A61P-35/00(R,I,M,JP,20060101,20060310,C,L) A61P-37/00(R,I,M,
JP,20060101,20060310,C,L) A61P-37/08(R,I,M,JP,20060101,20060310,A,L) C07G-17/00(R,I,M,
JP,20060101,20060310,A,L) C07G-17/00(R,I,M,JP,20060101,20060310,C,L) C09K-15/00(R,I,M,
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